

DETAILED ACTION

Priority

Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Claim Objections

Claims 4-12 are objected to because of the following informalities: Claims 4, 5, 7, 9 and 11 "at least one thermal bridge" or "a thermal bridge" has multiple antecedents since "at least one thermal bridge" is already claimed in independent claim 1. Appropriate correction is required.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-12 are rejected under 35 U.S.C. 102(b) as being anticipated by Mendleski '214. Mendleski '214 discloses a lamp unit, comprising a housing (32, 20 and 4), a lamp (26) positioned within said housing (32, 20 and 4), a reflector (26) assigned to said lamp (26) for reflecting light emitted by said lamp (26) through a transmission window (40), characterized by at least one thermal bridge (30, 44, 34, 38, 16 and 22) and/or at least one heat sink unit (24) being assigned to the reflector (26)

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and/or to the lamp (26) and/or to the housing (2). All body parts are made out of thermal conductive aluminum alloy (see column 4, lines 63-66). Regarding claim 2, the heat sink unit (24) is assigned to the outer surface of the housing. Regarding claim 3, the heat sink unit (24) is provided by cooling fins (24) attached to said outer surface of the housing (20). Regarding claim 4, at least one thermal bridge (30, 44, 38, 34, 16 and 22) is assigned to the reflector (26) and to an inner surface of the housing (32, 20 and 4). Regarding claim 5, the thermal bridge (30, 34, 38 and 44) assigned to a neck portion of the reflector 26 and to an inner surface of the housing (32 and 20).

Regarding claim 6, the thermal bridge (30, 34, 38 and 44) is connecting the neck portion of the reflector (26) and the inner surface of the housing (32 and 20). Regarding claim 7, the thermal bridge (30, 34, 38 and 44) is assigned to a front portion of the reflector 26 and to the inner surface of the housing (32 and 20). Regarding claim 8, the thermal bridge (30, 34, 38 and 44) is connected to the front portion of the reflector to the inner surface of the housing (32 and 20). Regarding claim 9, a thermal bridge (34 and 38) assigned to the transmission window (40) and to the housing (32). Regarding claim 10, the thermal bridge (34 and 38) is connecting the transmission window (40) to the housing (32). Regarding claim 11, a thermal bridge (30, 34, 38 and 44) assigned to a front portion of the lamp (26) and to the transmission window (40). Regarding claim 12, the thermal bridge (30, 34, 38 and 44) is connected to the front portion of the lamp (26) to the transmission window (40).

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Ichibakase et al '695 discloses a lamp unit similar to applicant's invention.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thomas M. Sember whose telephone number is 571-272-2381. The examiner can normally be reached on M-F 9 a.m.- 5.30 p.m..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jong Suk (James) Lee can be reached on 571-272-7044. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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